

HERCULES Description / Characteristics



HOIST/BOOM: UDLP

- 70.000 lb. Rectangular Hoist/Boom

- 35-Ton Stationary Capable

- 25-Ton Lift and Carry Capable

- JP-8 Tuned 1,050 HP Engine - Twin Engine Mounted Hydraulic

ENGINE: GDLS-MO

Coolers

3-Ton **Auxiliary Winch: Braden Carco**

70-Ton **Main Recovery Winch:** Morris Mfg.

Main Recovery Winch Level Winder Mechanism: Morris Mfg.

Electrically Engaged Power Take -Off (PTO) Clutch Wiring Harness: **Carlyle Johnson**

TRANSMISSION

Steer Clutch Assemblies

CAT TDTO 10W Oil

- 68 Micron Filtration Twin Disc/Loc Perf

TRACK/SUSPENSION: GFM/UDLP

- Heavier Shock Absorbers
- Power-assisted Service Brakes
- Heavy-Duty Road Arms
- 70-ton Torsion Bars
- Grease Adjustable Track **Adjusting Link**

Requirement

Provide Single Vehicle Recovery/Towing of the Abrams Tank (70 Tons)

Key System Attributes

M88A2 Comparison to M88A1

- > Improved Mobility
 - → Faster Speed (24% with/14% Without Towed Load)
 - → 20 25% Better Braking Performance
 - → 20 25% Better Slope Performance
- Improved Recovery Capability
 - → Single (M88A2) vs. multiple vehicle (M88A1) tow
 - → 55% More Winching Capacity: 70 Ton Single-Line Pull
 - → 40% More Hoisting Capacity: 35 Tons Lift, 25 Tons Lift/Carry
- Survivability Increased Armor Protection
- Supportability On Board Maintenance Aids to Reduce Crew Workload (Aux Winch, Chain Hoist, TAL)
- Reliability 210 MMBOMF
- Manpower Three Vs. Four-Man Crew

HERCULES Provides at Least Twice the Recovery Capability to the Heavy Maneuver Division



